

## TECHNICAL MANUAL

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### Small Oval Fire Bowl

**[with MANUAL IGNITION]**

**This Manual Covers:- Small Oval Fire Bowl with Manual Ignition System  
for Natural Gas or LPG**



### **Important**

It is recommended, even if you have fitted these appliances before, that you take the time to read through these instructions and follow them step by step.

**Serial Number .....**

Please quote this serial number when calling our Customer Service team regarding Warranty issues or to order spare parts. The warranty is valid for 1 Year from the date of delivery. The Warranty card supplied is to be completed by the Installer and returned to the address below.

**This manual must be handed to the owner of the property once the fire is commissioned and retained for future reference.**

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## **Contents**

<b>Page 3</b>	<b>Technical Data</b>
<b>Page 4</b>	<b>Unpacking the Appliance</b>
<b>Page 5</b>	<b>General Requirements</b>
<b>Page 7</b>	<b>Installation &amp; Fitting Instructions</b>
<b>Page 9</b>	<b>Commissioning the Fire</b>
<b>Page 10</b>	<b>Completing the Installation</b>
<b>Page 11</b>	<b>Final Install Checklist</b>
<b>Page 12</b>	<b>Oxygen Depletion Pilot system</b>
<b>Page 13</b>	<b>Spark Failure</b>
<b>Page 14</b>	<b>Servicing Instructions</b>
<b>Page 16</b>	<b>Replacement Components List</b>
<b>Page 17</b>	<b>Fitting the Metal Control Knob</b>
<b>Page 18</b>	<b>Fault Diagnosis</b>
<b><u>Page 19</u></b>	<b><u>User Manual</u></b>

### **WARNING:**

**THIS IS A GAS APPLIANCE AND IS COVERED BY CURRENT NATIONAL REGULATIONS. ALL INSTALLATION WORK MUST BE COMPLETED BY A GAS SAFE REGISTERED ENGINEER. CVO FIRE WILL NOT ACCEPT ANY CLAIMS FOR DAMAGE OR WARRANTY ISSUES IF THE APPLIANCE HAS NOT BEEN FULLY INSTALLED BY A GAS SAFE ENGINEER.**

## Technical Data

### Specifications

<b>Pilot Burner Assembly Marking</b>	NG: P4-10 NG: P4-10D (Holland Only) LPG: P4-16
<b>Gas Connection</b>	8mm O.D. Tube
<b>Minimum Flue Diameter</b>	178mm
<b>Minimum Flue Height</b>	3m
<b>Approximate Weight</b>	22kg

### Small Oval Gas Fire Unit

Gas Type	Category	Inlet Pressure	Main Burner Injector Size (1 per appliance)	Heat Input kW Gross	Setting Pressure (HIGH) Mbar	Country
NG	I <sub>2</sub> H	20	460	7.4	17.4	AT, DK, ES, FI, GB, IE, IT, PT, SE
			*95	9.5	15.4	
NG	I <sub>2</sub> E+	20/25	460	7.4/7.0	17.4/21.7	FR,BE
			*95	9.5/8.8	15.4/19.1	
NG	I <sub>2</sub> E	20	460	7.4	17.4	DE, LU
			*95	9.5	15.4	
NG	I <sub>2</sub> L	25	460	7.0	21.7	NL
			*95	8.8	19.1	
Small Flame Picture						
PROP	I <sub>3</sub> P	30	1.45	6.6	18.5	NL
PROP	I <sub>3</sub> P	37	1.45	7.0	19.6	BE, ES, FR, GB, IE, PT
PROP	I <sub>3</sub> P	50	1.27	7.9	31.9	AT, NL, DE
High Flame Picture						
PROP	I <sub>3</sub> P	30	1.60	8.5	29.2	NL
PROP	I <sub>3</sub> P	37	1.60	9.5	36.0	BE, ES, FR, GB, IE, PT
Minimum Flue Diameter			203 mm			
Minimum Flue Height			1 mtr			

\* Refer to data plate for model which is being supplied.

### Small Oval Bowl Dimensions (mm)

Model	Height	Depth	Width
Small Oval Fire Bowl Unit	195	330	490

### Fire Opening Dimensions (mm)

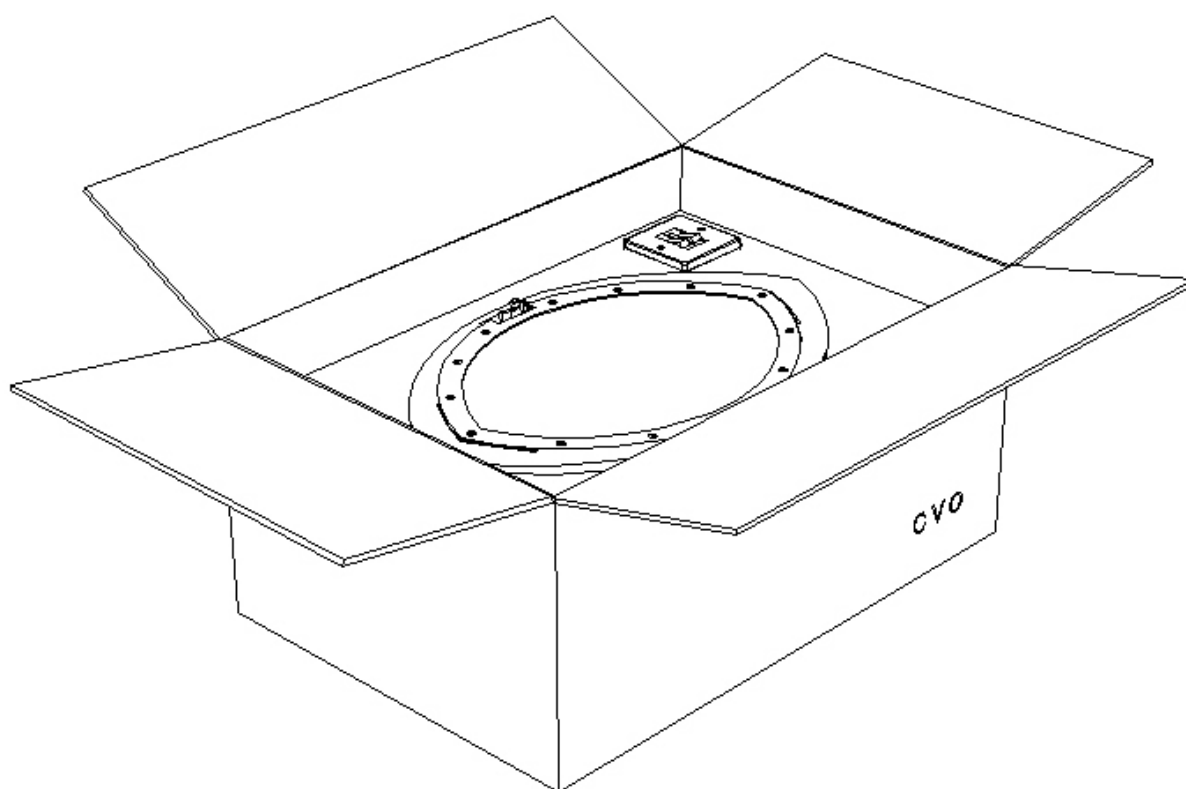
Model	Max Height	Min Depth	Max Width
Enclosure Size	620	460	620
For Propane at 50mbar AT,	570	670	500

## **Unpacking the Appliance**

### **Read these instructions fully before proceeding**

Carefully examine the carton for damage before unpacking. If it is obviously damaged, consult the supplier over whether to proceed.

Remove the fire and examine its general condition. If satisfied by the condition proceed with the installation. No claims for defects or damage will be accepted once the bowl has started to be installed.



The installation should only be carried out by a Gas Safe Registered fitter and in accordance with national and local Building Regulations. For the Republic of Ireland, reference should be made to IS 813 and ICP3 and any guidance notes from Bord Gais.

**Failure to have the fire fitted by a qualified person will invalidate the Warranty, and CVO Fire will not accept any claims for incorrect installation.**

## **General Requirements**

There are two versions of this fire - High and Low Power. Consult the data plate to confirm the model supplied. This Small Oval Fire Bowl unit is intended for decorative purposes. The installation must be in accordance with National Regulations and must be carried out by a qualified installer. Clearances between the fire and all combustible materials must conform to National Regulations.

This fire must be installed and used in accordance with these instructions. Prior to installation, ensure that the local distribution conditions (identification of the type of gas and pressure and the adjustment of the appliance) are compatible. The builders opening or fireplace opening must be constructed of a non-combustible material.

When installed, this unit should be located to the rear of the fire opening.

For some countries a non-combustible hearth must be fitted in front of the fire in accordance with National Regulations (e.g. United Kingdom).

Any flue damper plate or flue restrictor must be removed or fixed permanently in a fully open position, or shall only be fitted in accordance with National Regulations.

The chimney must be swept before the appliance is installed.

**NOTE:** If the chimney is not swept, there is a possibility that loose debris will fall onto the appliance which may result in damage and unnecessary service costs.

Before the fire is installed a flue test in accordance with National Regulations should be carried out. The unit must not be installed unless the chimney / flue length is at least the length and size indicated in 'Technical Data'.

Under no circumstances should this unit be installed and operated within any premises without an adequate flue or chimney system.

The gas connection must be in accordance with National Regulations.

An isolation valve (or valves) has to be fitted adjacent to the appliance, which, when closed allows the complete burner and control assembly to be disconnected for maintenance and repair in accordance with national regulations.

The pilot light and flame sensing device fitted to this fire is also an atmosphere sensing device. If for any reason any part of the pilot assembly is to be replaced ALL the assembly including the pilot burner, thermocouple, electrode and injector must be exchanged complete for an original manufacturer's pilot assembly only. This atmosphere sensing device is not adjustable and must not be put out of action. The pilot light shuts off both the main burner and pilot if evacuation of the combustion products is interrupted. If the fire shuts itself off, do not use the fire, and have the flue and fire checked by a suitably qualified person.

For some countries a purpose provided air supply must be fitted in accordance with National Regulations.

It is recommended that a guard be used for the protection of young children, the elderly or infirm.

### **WARNING - OXYGEN DEPLETION PILOT SYSTEM**

There is a highly sensitive oxygen depletion sensor designed into the pilot light. If any part is damaged the entire unit must be replaced. The installer is advised not to bend or alter the flame head, thermocouple or aeration hole, or put the Oxygen Depletion System out of action. If any parts are exchanged, use only genuine replacements, as spare parts as similar looking parts from other appliances may well give different or inferior performance and could lead to a hazard.

### **WARNING – GAS SUPPLY**

This is a high power appliance which needs a steady gas supply which can be maintained at +/- 1mBar at all times. The gas inlet is via an 8mm isolation valve fitted to the appliance. It is recommended that 22mm pipe work is used and reduced down to 8mm as close to the appliance as possible. See "Commissioning the Appliance"

### **ENCLOSURE AND FLUE SYSTEM**

Enclosure: This appliance has been CE approved within an enclosure as specified within the Technical section of this manual. If a customer designed enclosure is used it must conform to the maximum and minimum requirements as specified.

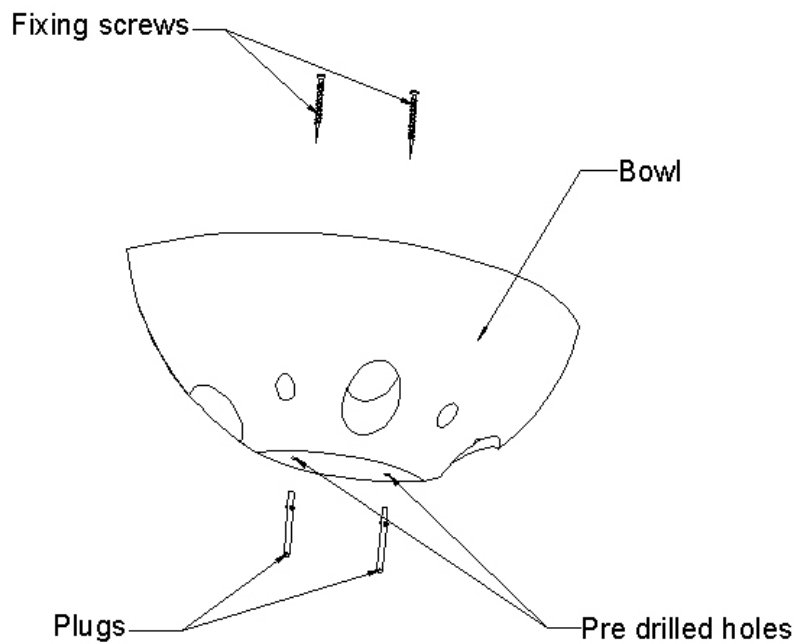
Flue System: This appliance has been CE approved within a flue system of the size and length as specified within the Technical section of this manual. If a flue system is used which does not comply to this minimum requirement a flue spillage test must be carried out to ensure the appliance operates safely.

### **APPLIANCE SHUTDOWN**

If the points raised in the above sections "Gas supply" and "Enclosure and Flue System" are not adhered to it is likely the safety device on the appliance will operate and shut the fire down. This is not an appliance fault. This indicates an Installation fault.

## **Installation & Fitting Instructions**

1. The Gas Fire Bowl is supplied in an assembled state with an installation booklet and a fitting kit. The bowl is either supplied with or without a plinth.
2. Before starting to install the bowl ensure that the enclosure, flue system and gas supply conform to the minimum requirements of the appliance. Only proceed if all items are correct and comply with the CE approval. The room will require ventilation inline with current regulations.
3. If a concealed gas connection is to be made, prepare the pipe work prior to installing the inglenook and fitting the fire. It is advised to install 22mm gas pipe work as close to the appliance as possible with a reduction down to 8mm at the inlet. This will ensure a steady gas supply.
4. Although designed to be used in conjunction with the CVO range of products, it is possible to use this unit with existing chimney systems and alternative products. Where a new opening needs to be installed, its minimum dimensions should be as specified.
5. Ensure there is an 8mm gas supply at the point of installation. An inlet pressure test point is supplied with the fire. This must be fitted in the line as close to the isolation valve as possible. Failure to do this will give incorrect gas pressure readings during installation and commissioning.
6. Once the location is prepared, place the Fire Bowl to the rear of the fireplace opening.
  - a. Without Plinth
    - i. Use a High Temperature Fire Cement to secure the bowl in the desired position. It is advised this is done after connecting and testing the fire. Once secured the bowl must be left for 24 hours to allow the adhesive to dry before the customer operates the fire.
    - ii. If using fire cement is not suitable then the burner can be carefully removed from the bowl and the bowl secured in place with screws and plugs. Review the section on removing the burner unit within the "Servicing" section of this booklet. Once the burner unit has been removed the plinth can be removed and the bowl can be secured within the enclosure using the screws and plugs provided. See Image 1.
  - b. With Plinth
    - i. The procedure is the same as without a plinth.
7. Once fixed the bowl must not be able to move or "wobble" when operated. Failure to fix the bowl within the enclosure will cause damage to the burner and possibly gas leaks. No claims will be accepted for damaged caused by "loose" fitting.



8. **Image 1:**

9. **Note:** CVO recommend that the bowl is not dismantled as this can result in damage not covered by the warranty. In most instances the bowl should be secured using the plinth and silicone adhesive.

10. **Fit the Gas Connection:**

11. **Ensure a suitable gas supply is available which can supply a steady pressure in line with the technical requirements.**

12. The gas inlet is from the rear of the bowl. The bowl is supplied with an isolation valve and a pressure test point within the fitting kit. Remove the rubber bung from the gas inlet pipe and fit the isolation valve. Cut a short length of pipe and fit the inlet pressure test elbow.

13. The test point will be used when commissioning the fire. Connect the gas supply pipe and check for gas soundness.

14. See the following section on how to commission the fire.

## **Commissioning the Fire**

**DO NOT ADJUST THE FLOW RATES FOR THIS FIRE.  
THESE ARE ADJUSTED AND SEALED AT THE FACTORY**

### **Test the Gas Pressure.**

This appliance requires a steady gas supply in order to function correctly and safely. The gas pressure must be maintained within +/-1mBar of the stated pressure shown on the Data Plate. For example in the UK – Natural Gas (20mBar) should be within the range of 19 to 21 and LPG (37mBar) should be 36 to 38. The results of the pressure and flue test should be recorded in the Commissioning Table at the end of this section.

### **To Test the Gas Pressure:**

1. The appliance is supplied with a pressure test point. This must be located as close to the isolation valve as possible or incorrect readings will be taken.
2. Isolate the gas. Remove the test point screw and attach a manometer to the inlet test point and open the isolation valve.
3. Review the section "lighting the fire" and light the fire.
4. **Test 1: Turn "off" ALL the other gas appliances in the house.**
  - a. Set the fire on the "maximum" (FULL) heat setting and check the Inlet Pressure – *Is the pressure within the required limits?*
  - b. Set the fire on the "minimum" (LOW) heat setting and check the Inlet Pressure – *Is the pressure within the required limits?*
5. **Test 2: Turn "on" ALL the other gas appliances in the house.**
  - a. Set the fire on the "maximum" (FULL) heat setting and check the Inlet Pressure – *Is the pressure within the required limits?*
  - b. Set the fire on the "minimum" (LOW) heat setting and check the Inlet Pressure – *Is the pressure within the required limits?*
  - c. Switch off the appliance and record the results in the "Commissioning Results Table" on the next page.
6. Decide to proceed based on the results.
  - a. **IF PASSED ALL PRESSURE TESTS:**
    - i. Disconnect the pressure gauge then replace the pressure test point sealing screw and test for gas soundness.
    - ii. Check the Flue as shown below.
  - b. **IF FAILED ANY OF THE PRESSURE TESTS :**
    - i. If the appliance fails any of the above pressure tests it must not be used until either the gas pipe work to the appliance has been improved or the governor to the house has been adjusted by TRANSCO, BORD GAIS or the propane supplier.
    - ii. Running this type of appliance with incorrect gas pressure can result in nuisance shutdown of the appliance or harmful emissions being released into the room.

### **Test the Flue System.**

The installer must check that all of the combustion products are entering the flue after 10 minutes by traversing the perimeter of the fireplace using a smoke (match). The flue system must be sealed to the gather and enclosure.

## Commissioning Results Table

The table below must be completed by the Gas Safe Engineer when commissioning the fire.

TEST THE GAS PRESSURE			
Test		Gas Pressure (mBar)	Pass/Fail
All Gas appliances in the home "OFF"			
1	Fire Bowl Set on Maximum / High		
2	Fire Bowl Set on Minimum / Low		
All Gas appliances in the home "ON"			
3	Fire Bowl Set on Maximum / High		
4	Fire Bowl Set on Minimum / Low		
TEST THE FLUE SYSTEM			
5	Flue Size and Length as per Specification?		
6	Purpose Provided Ventilation as per Regulations?		
7	Smoke Test Completed on Flue System		
ENGINEER DETAILS			
8	Engineer Name		
9	Gas Safe Registration Number		
10	Company Name		
11	Date of Commissioning		

**Note: for propane appliances,** in order for the fire to operate consistently at least 2 x 47Kg bottles must be used with a changeover valve to maintain the inlet pressure at the required level as indicated on the data plate.

## Completing the Installation

- Brief the customer on the operation of the appliance.
- The customer must be told of the need for regular servicing of the appliance, this will be at least once a year, and be made aware that no rubbish is to be thrown onto the fire bed.
- The customer must also be aware that purpose provided ventilation should be checked regularly.
- Complete the Warranty Card and give this to the user.
- Hand the instruction booklet to the customer.
- If you have any questions about this appliance please contact CVO on 01325-327221 before leaving the installation.
- If the appliance is not fitted in strict accordance with these instructions, CVO cannot be held responsible for any damage caused and reserve the right to charge for any corrective work.

## **Final Installation Check List**

- **Is the Gas Pressure Correct – all tests passed?**
- **Is the bowl secure and cannot move?**
- **Is the enclosure sealed to the chimney?**
- **Has the Flue system been tested and the smoke test passed?**
- **Does the room have the required “free air” ventilation as per the current regulations for this type of appliance?**
- **Has the customer being shown how to operate the appliance?**
- **Has the warranty card been completed and given to the customer?**

**If you have any questions, or the fire is not operating correctly, please use the fault diagnosis charts above then contact the CVO Technical team on 01325 327221 BEFORE you leave the installation. As part of our Customer Service procedure you will be asked for the Fire Serial number [on the front cover of the booklet] and Gas Safe Registration.**

**This manual must be handed to the owner of the property once commissioned and retained for future reference.**

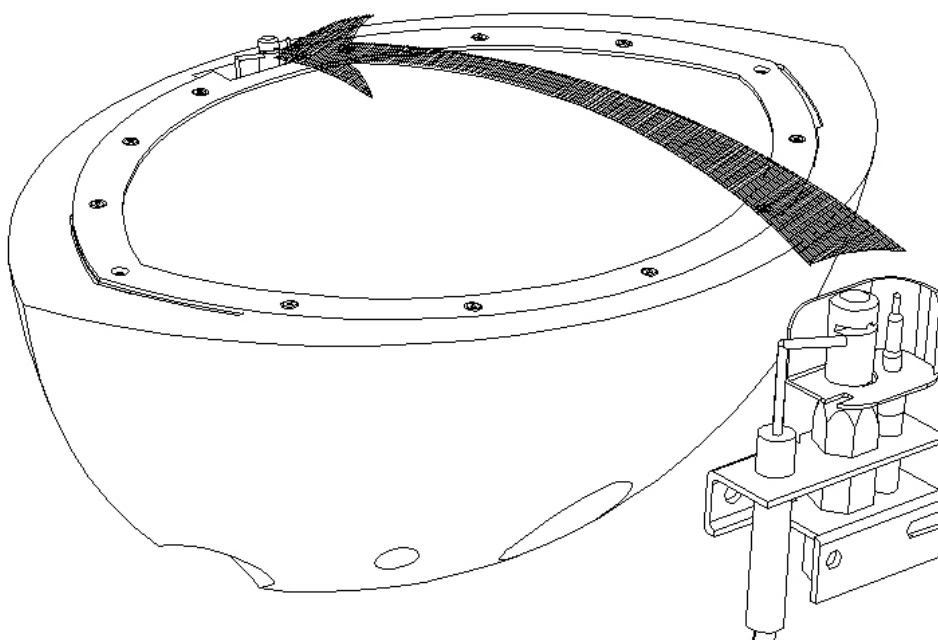
## **OXYGEN DEPLETION PILOT SYSTEM**

There is a highly sensitive oxygen depletion sensor designed into the pilot light. If any part is damaged the entire unit must be replaced.

Do not attempt to bend or alter the flame head, thermocouple or aeration hole, or put the Oxygen Depletion System out of action.

Use only genuine spare parts as similar looking parts from other appliances may well give different or inferior performance and could lead to a hazard.

**Appliance Shutdown:** The ODS unit fitted to this fire is a safety device. If the gas pressure is not correct or the flue system is not working correctly it will shut down the fire. If the appliance shuts down unexpectedly do not use the appliance until you have had the gas pressure, enclosure, room ventilation and flue system checked by a GAS SAFE engineer.

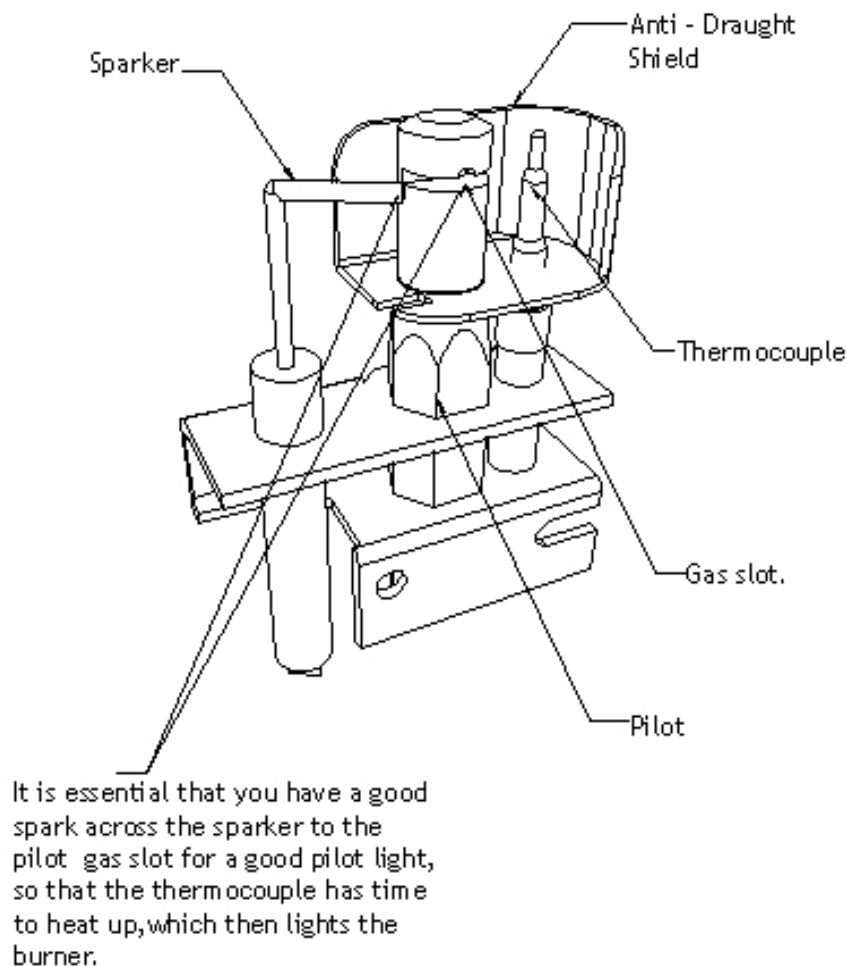


## **Spark Failure**

The gap between the pilot electrode and the pilot should be 3.5 – 4.5mm and normally adjustment is not necessary (the electrode is very brittle). The spark should jump across the gap between the electrode and the gas outlet on the pilot head. If the ignition fails, a lighted taper can be inserted into the pilot area to check that gas is reaching the pilot.

### **Anti-Draught Shield and pilot.**

On certain CVO gas fires there is an "Anti - Draught Shield" fitted. These shields are only available from CVO. To fit the shield, make sure your fire is cold then simply slide the shield over the pilot, making sure you do not interfere with the pilot sparker too much, as it is essential the sparker is in the right place.



## **Servicing Instructions**

The following servicing procedure should be carried out regularly and only by a qualified person. **CVO recommend that this appliance is serviced every 12 months.**

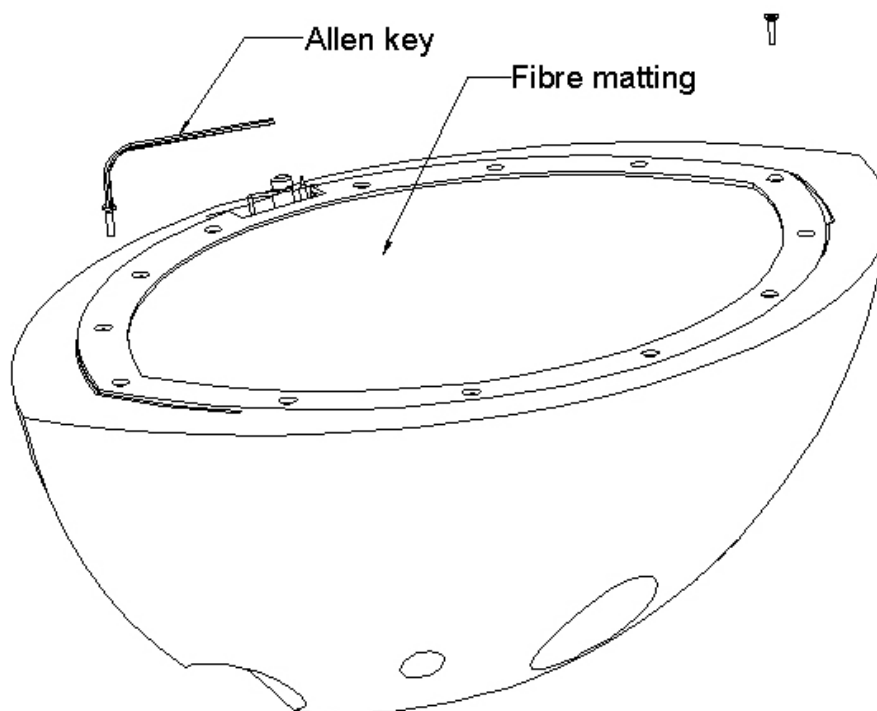
Important: The pilot and flame sensing device fitted to this fire is also an atmosphere sensing device. If for any reason any part of the pilot assembly is to be replaced, the entire assembly including the pilot burner, thermocouple electrode and injector must also be exchanged. This atmosphere sensing device is not adjustable and must not be disabled.

### **How to Remove the Burner Unit**

Prior to servicing the appliance the gas burner tray must be removed from the outer Fire Bowl shell. Great care must be taken in handling the bowl as the Ceramat is easily damaged. Once the Ceramat is damaged the burner unit must be returned to the factory for repair. Any damage to the Ceramat is not covered by the warranty.

The control knob must be removed, if the plastic version is fitted this can be pulled off. If the metal control knob is fitted this must be removed first by using the Allen key on the grub screw (see separate section).

Remove the burner tray by removing the two fixing screws located at the tips of the burner tray, only remove these screws. After removing the burner place the burner in a safe place.



## **Servicing procedure**

1. Turn off the fire and allow it to cool.
2. Turn off the gas supply at the isolation tap.
3. Disconnect the gas pipe from the valve.
4. Remove the 2 screws holding the burner tray into the bowl as shown in the above section. Lift the burner tray clear of the bowl.
5. Taking great care not to damage the Ceramat matting clean any debris from the pilot and also check the pilot has a good spark and sparks in the correct area.
6. Remove and clean the injector. Do not use a needle or wire.
7. Re-assemble in the reverse order, and re-connect the gas supply.
8. Check for gas soundness.
9. Check that any purpose-provided ventilation is free from obstruction.
10. Re-commission the fire as described in 'Commissioning the fire'.

## **Replacement Components List**

There are no user replacement parts on this gas fire. All repairs must be carried out by a GAS SAFE engineer.

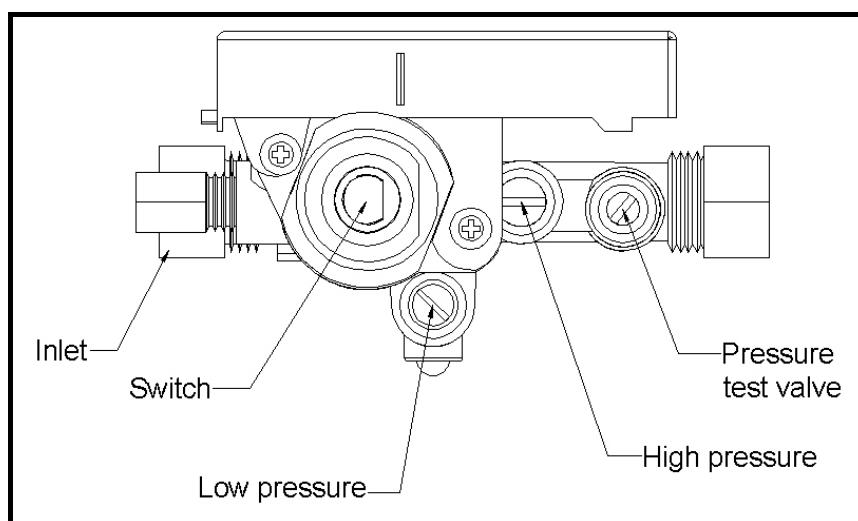
<b>Part Code</b>	<b>Item Description</b>	<b>Code Number</b>	<b>Engineer Parts</b>
AC027	Gas Valve (See Note 1)	V4-28	Yes
AC009	Pilot Unit (NG)	P4-10	Yes
AC075	Pilot Unit (NG G25 ONLY)	P4-10D	Yes
AC007	Pilot Unit LPG	P4-16	Yes
AC026	Isolation Tap	B4-01	Yes
	Injector (Call Customer Services)		Yes
	Ceramic Matting Panel (See Note 2)		No

### **1. NOTE 1: Replacement Valve.**

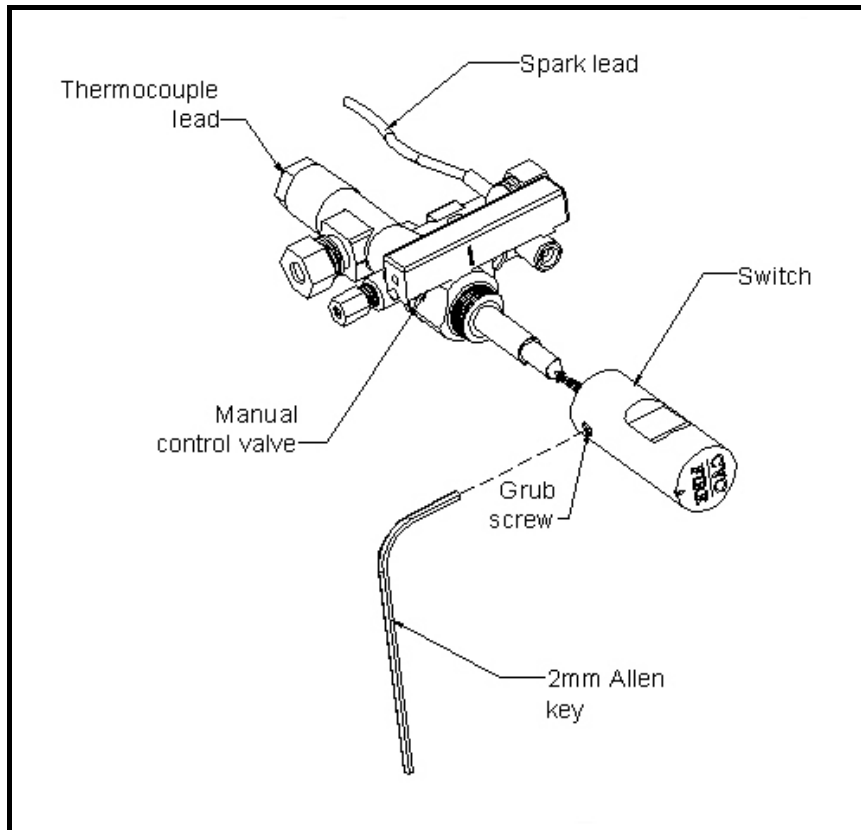
- a. Replacement of the valve involves the use of a pressure gauge to set the flow rates to the correct levels as shown in the technical section. If the Engineer does not have the knowledge or equipment to do this the bowl must be returned to the factory. See image below of valve.

### **2. NOTE 2: Replacement Matting.**

- a. Replacement of the matting is only possible at the factory.
- b. The Burner unit must be removed from the bowl. Contact Customer services on 01325-327221 and make arrangements for shipping and payment.
- c. Once repaired and retested the burner will be returned for fitting back into the bowl.



## **Fitting the Metal Control Knob**



**See Image Above.**

The metal CVO gas control knob is fixed in position on the gas valve shaft by means of a 4mm grub screw. The grub screw, when tightened, should clamp against the flat face on the shaft.

When fixed correctly, the CVO logo should be horizontal, with the arrow pointing to the base of the unit.

Ensure the control knob is securely fitted to the shaft to avoid ignition problems for the user.

## **Fault Diagnosis**

Symptom	Check List	Tick
<b>Unit clicks but no spark or weak spark.</b>	<b>Check spark lead is connected properly.</b>	
	<b>Check spark electrode is in the correct area and the gap correctly distanced.</b>	
<b>Unit sparks but does not light pilot.</b>	<b>Check for a good spark.</b>	
	<b>Check the spark is in the right area.</b>	
	<b>Check that the ventilation is not too strong and the flame is not blowing off the thermocouple.</b>	
	<b>Check if there is gas running through.</b>	
	<b>Check gas working pressure is correct: NG-20mBar, LPG 37mBar</b>	
<b>If there is no gas.</b>	<b>Check isolation tap/shut off valves are free from grease.</b>	
	<b>Check isolation tap/shut off valve are on.</b>	
	<b>Check for blockages</b>	
<b>If there is gas but pilot does not light</b>	<b>Check gas working pressure is correct :NG-20mBar, LPG-37mBar</b>	
	<b>Check for blockages in pipes.</b>	
	<b>Check for draughts which can reduce pilot flame.</b>	
	<b>Check the pilot gas slot is clear of debris.</b>	
<b>Pilot lights but does not light main burner</b>	<b>Check the pilot flame is heating the thermocouple and there is a draft shield fitted if required.</b>	
	<b>Check the thermocouple nut is properly tightened into the valve/interrupter block.</b>	
	<b>Check that the pilot lights early on ignition clicks.</b>	
	<b>Check ventilation is not too strong and the flame is not blowing off the thermocouple.</b>	
	<b>Check gas working pressure is correct : NG-20mBar,LPG 37mBar.</b>	
<b>Burner lights but turns off after a few minutes</b>	<b>Check thermocouple nut is properly secured to the interrupter block on the valve.</b>	
	<b>Check ventilation is not too strong and the flame is not blowing off the thermocouple.</b>	
	<b>Check working gas pressure is correct :NG-20mbar, LPG-37mBar.</b>	

# GAS FIRE USER MANUAL

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## Small Oval Fire Bowl

**[with MANUAL IGNITION]**

**This Manual Covers:- Small Oval Fire Bowl with Manual Ignition System  
for Natural Gas or LPG**



Please quote the serial number as shown on the front of this booklet when calling our Customer Service team regarding Warranty issues or to order spare parts.

The warranty is valid for 1 Year from the date of delivery. The warranty covers defective components and does not cover incorrect installation or wear and tear.

The Warranty card supplied is to be completed by the Installer and returned to the address below.

## **Contents**

<b>Page 21</b>	<b>General Information</b>
<b>Page 22</b>	<b>Lighting the Fire</b>
<b>Page 24</b>	<b>Cleaning Instructions</b>
<b>Page 25</b>	<b>Warning Fire Guards</b>
<b>Page 26</b>	<b>Warranty Information</b>
<b>Page 28</b>	<b>Contact Details</b>

## **General Information**

A qualified GAS SAFE registered installer is required to fully install the appliance, failure to do this may render the appliance dangerous and will invalidate the warranty.

This fire is intended for decorative purposes. Any purpose-provided ventilation should be checked regularly to ensure that it is free from obstruction. The fire should be serviced regularly by a qualified person.

The chimney should be swept before the appliance is installed, and should be swept and inspected regularly to ensure that all of the products of combustion are entering the flue and there is no excessive build up of soot.

Do not throw rubbish et cetera upon the burner surface. Debris from any source, or soot formed, should be removed from time to time, see 'Cleaning instructions'.

If any of its parts are damaged and need to be exchanged the original manufacturers parts must be used.

**Pilot Assembly:** The pilot light and flame sensing device fitted to this fire is also an atmosphere sensing device, which shuts off both the main burner and pilot if evacuation of the combustion products is interrupted. If the fire shuts itself off, restart the fire following the procedure in section 'Lighting the fire'. If the fire continues to shut itself off do not use the fire, and have the flue and fire checked by a suitably qualified person. The pilots ODS (Oxygen depletion sensor) must not be put out of operation. The user must not adjust the pilot.

Once the flue and fire units have been checked and remedial action taken, the fire is ignited in the manner depicted in section 'Lighting the fire'.

Due to the newness of materials, the fire may give off a slight smell for a period of time after commissioning. This is quite normal and any odours should disperse within a few hours of operation.

For some countries a purpose provided air supply must be fitted in accordance with National Regulations.

This fire should be serviced every 12 months by a qualified engineer to ensure that it is working correctly and the flue is free from obstruction.

**Fire Guards:** It is recommended that a fireguard conforming to BS6539 or BS6778 is used for the protection of young children, the elderly and infirm.

**Noise:** The low rate on the burner unit has a running noise level due to the nature of the gas flow through the valve. This is normal for this size of fire.

## **Lighting the Fire**

The positions of the control valve are depicted on the control panel fitted around the control knob.

If the main burner or pilot light are extinguished for any reason, do not attempt to relight the pilot within 3 minutes.

The OFF position is self-explanatory - preventing any gas from passing through the control valve to either the pilot burner or to the main burner.

By pressing the control knob in, it is possible to turn it anti-clockwise.

The first function is to turn on the gas to the pilot - this occurs just before reaching the PILOT position. (If the fire has not been lit for some time it may be necessary to hold the knob in this position for some seconds to clear the air from the pipe and allow gas to reach the pilot burner). Once gas is available at the pilot, continued rotation (anti-clockwise) will cause the piezo igniter to spark. This is accompanied by a click at the valve and should result in the pilot burner igniting. This can be verified by looking at the rear central section of the burner unit.

Once the pilot is lit, the control knob should be pressed in and held for 10-12 seconds. In this time the pilot flame will have heated the flame supervision thermocouple sufficiently to operate a hold-on magnet within the valve. The knob should then be turned so that the pointer is approximately horizontal. This allows gas at a low rate to enter the burner and be ignited by the pilot flame. Once ignition has taken place, the fire may be set to any level between MAX and MIN by rotating the control knob accordingly.

To turn off the main burner, turn the control to MIN - press the knob in gently and turn it clockwise to the PILOT position. To turn off the pilot, press knob and turn to OFF.

Thus the sequence is:

### **To Light:**

From OFF press the control knob in and turn slowly anti-clockwise.

When the ignition click occurs, check that the pilot is lit. (If not repeat steps 1 and 2)

**Step 1:** Hold the knob in for 10 -12 seconds.

**Step 2:** Release knob and check pilot remains alight.

**Step 3:** Turn knob until pointer is horizontal, the fire should then ignite.

Adjust flames to required level without pressing the knob.

### **To Extinguish:**

Turn control knob clockwise to MIN position.

Press knob gently until able to continue turning clockwise to PILOT.

To extinguish the pilot press knob and turn to OFF, although the pilot can be left permanently lit, if required.



## **Cleaning the Gas Fire Matting**

WARNING: Under no circumstances must the matting be brushed, touched or hovered. If the matting is damaged in anyway the bowl will need to be returned to the factory for repair. This damage is not covered by the warranty.

Due to the surface area and flatness of the ceramic burner matting, it is inevitable that dust, debris from the chimney and combustion by-products will accumulate; Under most circumstances dust etc will burn off when the bowl is used. Large pieces can be carefully picked from the matting with tweezers. Make sure the matting is not disturbed.

## **Cleaning the Stone Bowl**

Once installed, the unit should be dusted periodically to remove naturally collecting dust particles from its surfaces - this can be done using a soft brush.

## **Removing spillages**

If any liquids are spilt on this appliance under no circumstances use the appliance. Contact your installer to check the fire bowl and ensure it still operates safely.

## **Damage from Wax**

Under no circumstances must candles be placed on the matting surface. If wax is allowed to accumulate on the matting the fire bowl should not be used. Contact customer services on 01325-327221 to arrange for the return of the fire bowl for replacement of the matting. This damage is not covered by the warranty.

## **Cleaning bronze or aluminium fire bowl**

Metalwork can be kept clean by simply dusting or wiping with a damp cloth. Where the metalwork has become tarnished by finger marks etc, a highly polished finish can be achieved using a cloth and a proprietary cleaning fluid like Brasso.

## **WARNING: FIRE GUARDS**

**This appliance is not fitted with an integral guard. In normal use consideration may be given to the use of a fireguard conforming to BS6539 or BS6778, so that the approach to the appliance is limited such that access to the flame is minimised**

It is recommended that a fireguard conforming to BS6539 or BS6778 be used for the protection of young children, the elderly and infirm.

The installer is to advise the user not to stand too close to the appliance for prolonged periods of time and warn that loose clothing is particularly at risk of burning due to the presence of an unguarded flame.

In addition, the installer is to advise the user against placing combustible material directly in front of the appliance. Floor coverings, such as carpets, are considered to be acceptable.

### **Hearths**

For some countries a non-combustible hearth must be fitted in front of the fire in accordance with National Regulations (e.g. United Kingdom).

### **Metal Cast Bowls**

Bowls which are manufactured from Cast Metal are sand cast at a UK Foundry and then Hand Polished for over 15 Hours at the CVO Fire Factory. Pitting and Air Holes are a normal occurrence and are a part of the unique quality of such a hand made piece. All Bowls are inspected and given a full quality control check at the factory. If the Bowl supplied includes Pitting and Air Holes this will have passed the in-house inspection and cannot be used to form a Warranty claim. We hope that you will see that the overall beauty and uniqueness of your CVO Fire outweighs what is a very minor feature.

## **WARRANTY INFORMATION**

If the appliance develops a fault please refer to the fault diagnosis section earlier in this booklet for possible causes. Most faults can be rectified by giving the appliance a service. The appliance has a safety device to warn of low gas pressure and blocked flue. Recall your installer to check the site conditions before considering the appliance faulty.

To register your appliance please complete and return the warranty card supplied with the fire.

**Period:** This appliance is supplied with a 12 month warranty from the date of delivery.

**Wear and Tear:** The warranty covers defective parts and does not cover typical wear and tear that occurs with a gas fire appliance. Items not covered by the warranty include tarnishing, soot or heat damage of any kind.

**Fire Bowl Matting:** Any damage to the matting surface other than damage notified on the day of delivery will also not be accepted. The matting is very hard wearing and will last the lifetime of the product. Damage only occurs when the matting is cleaned or touched.

### **Requirements:**

To raise a warranty claim call Customer Service on 01325-327221.

In order to make a warranty claim you will be required to supply the following information. We cannot process any warranty claims unless the information provided is complete.

- The Gas Safe registration number of the Gas Engineer who installed and commissioned the fire.
- The Serial Number of the appliance as shown on the front of this book.
- A Copy of the Installation Receipt
- A Copy of the completed "Commissioning Results Table" as shown earlier in this booklet.

Failure to supply details required will invalidate the warranty and we reserve the right to charge for any remedial work required including all labour and material costs.



**ONLY USE GENUINE REPLACEMENT PARTS**

To order Spare Parts please contact Customer Services on 01325 327221. Opening hours are 9.15am to 3.15pm Monday to Friday.

**For further Technical information please call our CVO Technical Department on 01325 327221.**



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The following information supplied in this manual is correct at the time of publish; Updated on the 07-10-09. There may be changes made in future as we improve our products. If there are any queries please write or call our Technical Department.